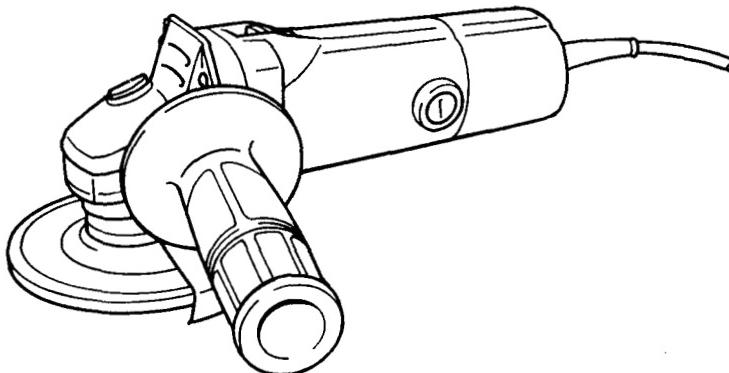


**makita**

# Angle Grinder

<b>100 mm (4")</b>	<b>MODEL 9526NB</b>
<b>115 mm (4-1/2")</b>	<b>MODEL 9527NB</b>
<b>125 mm (5")</b>	<b>MODEL 9528NB</b>

## INSTRUCTION MANUAL

**DOUBLE  
INSULATION**

### SPECIFICATIONS

MODEL	No load speed (RPM)	Overall length	Net weight	Spindle thread
9526NB	10,000	256 mm (10")	1.4 kg (3.1 lbs)	M10 x 1.5
9527NB	10,000	256 mm (10")	1.4 kg (3.1 lbs)	5/8"
9528NB	10,000	256 mm (10")	1.4 kg (3.1 lbs)	5/8"

- Manufacturer reserves the right to change specifications without notice.
- Specifications may differ from country to country.

WARNING: For your personal safety, READ and UNDERSTAND before using.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

# **GENERAL SAFETY RULES**

## **(For All Tools)**

**WARNING! Read and understand all instructions.** Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

## **SAVE THESE INSTRUCTIONS**

### **READ ALL INSTRUCTIONS.**

#### **WORK AREA**

1. Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
3. Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control.

#### **ELECTRICAL SAFETY**

4. Double Insulated tools are equipped with a polarized plug (one blade is wider than the other.) This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way. Double insulation eliminates the need for the three wire grounded power cord and grounded power supply system.
5. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.
6. Don't expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
7. Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.
8. When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W." These cords are rated for outdoor use and reduce the risk of electric shock.

#### **PERSONAL SAFETY**

9. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
10. Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.

- 11. Avoid accidental starting. Be sure switch is off before plugging in.** Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.
- 12. Remove adjusting keys or switches before turning the tool on.** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
- 13. Do not overreach.** Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.
- 14. Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

#### **TOOL USE AND CARE**

- 15. Use clamps or other practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.
- 16. Do not force tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
- 17. Do not use tool if switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.
- 18. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.
- 19. Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
- 20. Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.
- 21. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation.** If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.
- 22. Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool, may become hazardous when used on another tool.

#### **SERVICE**

- 23. Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
- 24. When servicing a tool, use only identical replacement parts.** Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

## **SPECIFIC SAFETY RULES FOR GRINDER**

1. Always use proper guard with grinding wheel. A guard protects operator from broken wheel fragments.
2. Accessories must be rated for at least the speed recommended on the tool warning label. Wheels and other accessories running over rated speed can fly apart and cause injury.
3. Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.
4. Never use hubbed grinding wheels on this tool (for 9526NB only).

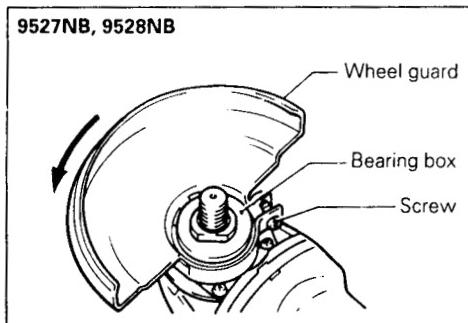
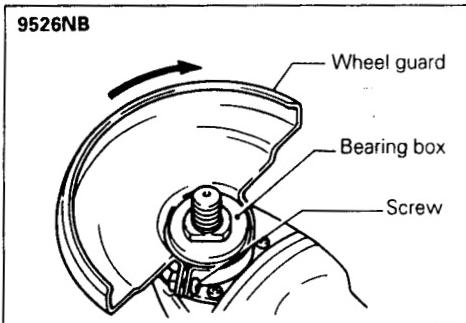
## **SYMBOLS**

Listed below are symbols used in reference to this tool and others.

V	.....volts
A	.....amperes
Hz	.....hertz
kg	.....kilograms
h	.....hours
min	.....minutes
s	.....seconds
	.....alternating current
	.....direct current
	.....no load speed
	.....alternating or direct current
	.....Class II Construction
	.....splash-proof construction
	.....watertight construction
.../min	.....revolutions or reciprocation per minute
	.....number of blows

## Installing the wheel guard

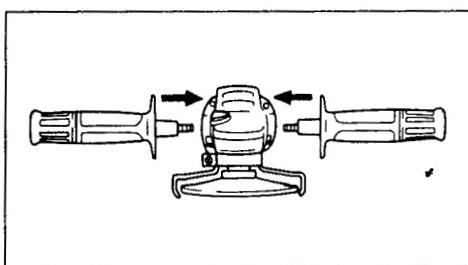
Mount the wheel guard with the tab on the wheel guard band aligned with the notch on the bearing box. Then rotate the wheel guard 180° clockwise (for 9526NB) or counter-clockwise (for 9527NB and 9528NB). Be sure to tighten the screws securely.



## Installing side grip (auxiliary handle)

For 9527NB and 9528NB only

Screw the side grip on the tool securely. The side grip can be installed on either side of the tool, whichever is convenient.

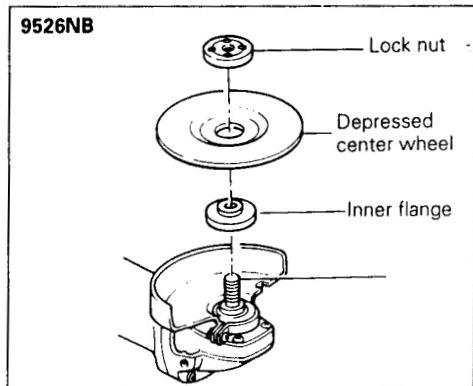
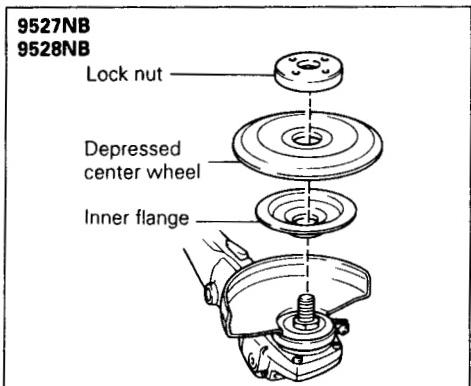


## Installing or removing the depressed center wheel

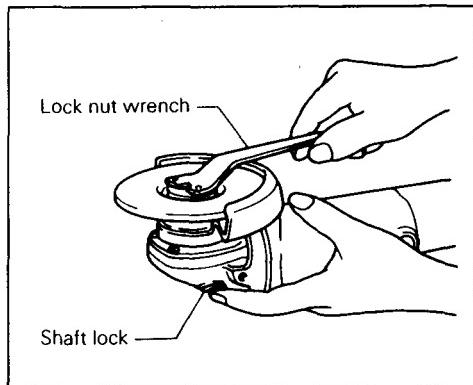
### CAUTION:

Always be sure that the tool is switched off and unplugged before installing or removing the wheel.

Mount the inner flange onto the spindle. Fit the wheel on over the inner flange and screw the lock nut onto the spindle.



To tighten the lock nut, press the shaft lock firmly so that the spindle cannot revolve, then use the lock nut wrench and securely tighten clockwise.



**WARNING:**

Only actuate the shaft lock when the spindle is not moving.

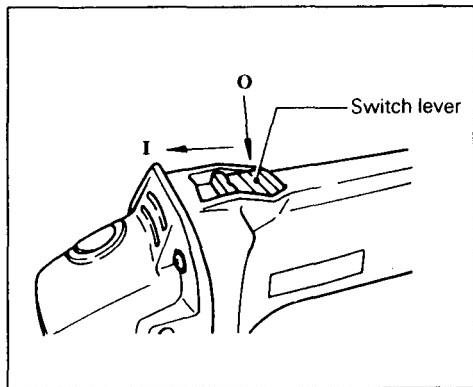
**Switching action**

**CAUTION:**

Before plugging in the tool, always check to see that the switch actuates properly and returns to the "OFF" position when the rear of the switch lever is depressed.

To switch on, depress the rear of the switch lever and push it forward. Then depress the front of the switch lever to lock it.

To switch off, depress the rear of the switch lever.

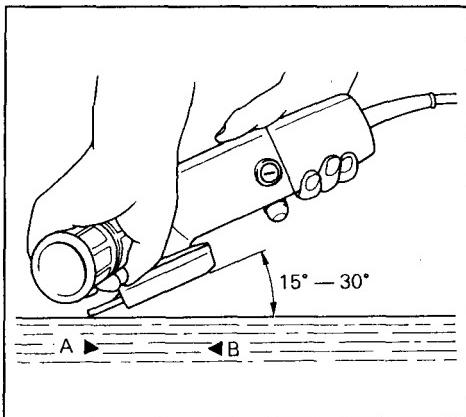


## **Operation**

Hold the tool firmly. Turn the tool on and then apply the wheel or disc to the work-piece.

In general, keep the edge of the wheel or disc at an angle of about 15° to the work-piece surface.

During the break-in period with a new wheel, do not work the grinder in the B direction or it will cut into the workpiece. Once the edge of the wheel has been rounded off by use, the wheel may be worked in both A and B direction.



### **WARNING:**

- It should never be necessary to force the tool. The weight of the tool applies adequate pressure. Forcing and excessive pressure could cause injury due to wheel breakage.
- Continued use of a worn-out wheel may result in wheel explosion and serious personal injury. Depressed center wheel should not be used after it has been worn down to 75 mm (3") in diameter for Model 9526NB or 90 mm (3-1/2") in diameter for Models 9527NB and 9528NB. Use of the wheel after this point is unsafe; it should be rendered unusable and disposed of immediately.

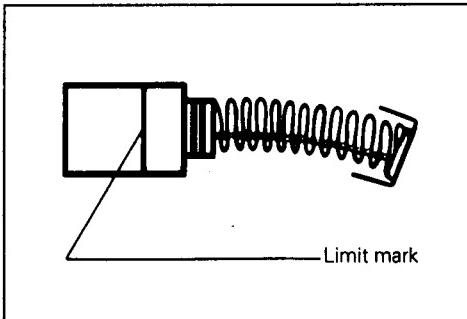
## MAINTENANCE

### CAUTION:

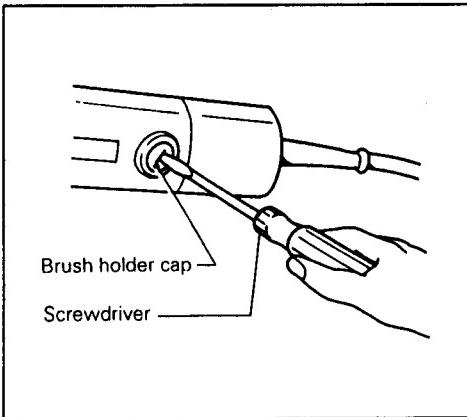
Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

#### Replacing carbon brushes

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.



Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.



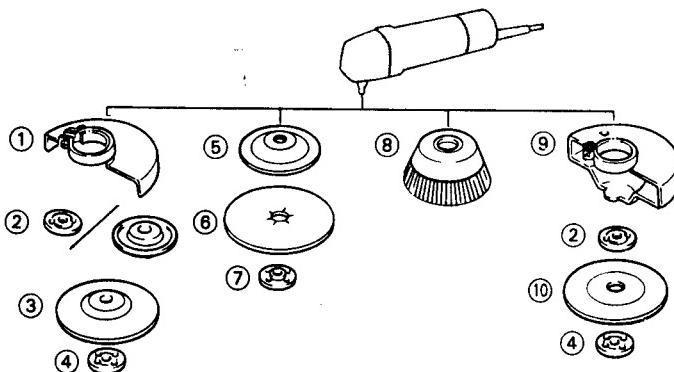
To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

## OPTIONAL ACCESSORIES

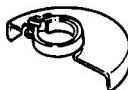
The accessories listed in this manual are available at an extra cost from your Makita distributor or Makita factory service center. Service centers are listed on the warranty card packed with your tool.

### CAUTION:

These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. The accessories or attachments should be used only in the proper and intended manner.

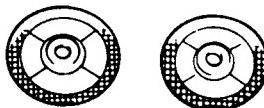


**① Wheel cover**



Part No.	For Model
165171-1	9526NB
165053-7	9527NB
165055-3	9528NB

**③ Depressed center wheels**



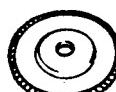
Part No.	Size	Grit	Wheels per pkg.	For Model
741402-B (Bulk)	4" x 3/16" x 5/8"			
741402-B-1		24		
741402-9-1	4" x 1/4" x 5/8"			
741402-C		C24R		9526NB
941425-B	4" x 3/16" x 5/8"			
741402-B	4" x 3/16" x 5/8"	24	5	
741402-9AP	4" x 1/4" x 5/8"			
741405-2-1	4" x 3/16" x 5/8"	36	1	
741405-2P			5	
741423-B-1		24	1	
741423-B			5	
741423-0	4-1/2" x 1/4" x 7/8"	C24R	1	9527NB
741426-B				
741424-B-1		36	1	
741424-B			5	
741407-B	5" x 1/4" x 7/8"	24	1	9528NB
741427-B		C24R	1	

**② Inner flange**



Size	Part No.	For Model
35	224337-3	9526NB
82	224332-3	9527NB 9528NB

**③ Multi-disc**



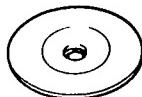
Part No.	Size	Grit	For Model
742038-0A	4" x 1/2" x 5/8"	40	9526NB
742038-0B		60	
742038-0C		80	
742038-0D		100	
794332-2A	4-1/2" x 5/8" x 7/8"	40	9527NB
794332-2B		60	
794332-2C		80	
794332-2D		100	
794331-4A	5" x 5/8" x 7/8"	40	9528NB
794331-4B		60	
794331-4C		80	
794331-4D		100	

**④ Lock nut**

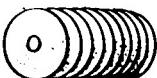


Size	Part No.	For Model
10-35	224563-4	9526NB
5-8-40	224509-0	9527NB 9528NB

**5) Rubber pad**



**6) Abrasive discs**



Part No.	Diameter	Grit	Qty. per pkg.	For Model
742036 0 3	4"	24	3	9526NB
742037 8 3		36		
742038 6 3		50		
742039 4 3		80		
742087 3 3		100		
742040 9 3		120		
742036 A 5		24		
742037 A 5		36		
742038 A 5		50		
742039 A 5		80		
742087 A 5	4 1/2"	100	5	9527NB
742040 A 5		120		
742036 B		24		
742037 B		36		
742038 B		50		
742039 B		80		
742087 B		100		
742040 B		120		
794104 A 5	5"	24	5	9528NB
794105 A 5		30		
794106 A 5		50		
794107 A 5		80		
794108 A 5		120		
794104 B		24		
794105 B		30		
794106 B		50		
794107 B		80		
794108 B		120		
742072 A 5	5"	24	1	
742073 A 5		30		
742074 A 5		50		
742075 A 5		80		
742076 A 5		120		
742072 B		24		
742073 B		36		
742074 B		50		
742075 B		80		
742076 B		120		

**7) Lock nut 10-30  
(For abrasive disc)**



Part No.	For Model
224502-4	9526NB
224517-1	9527NB 9528NB

**8) Wire cup brush 75**



Part No.	For Model
743205-6	9527NB 9528NB

**8) Wire bevel brush 85**



Part No.	For Model
743210-A	9527NB 9528NB

**9) Wheel guard assembly**

(For cut-off wheel) For Model 9526NB

Part No. 192476-6



**(10) Cut-off wheel**



Part No.	Size	Grit	Wheels per pkg.	For use	For Model
724104-110	4" x 3/32" x 5/8"	36	10	For masonry and concrete.	9526NB
724107-510	4" x 5/64" x 5/8"	46	10	For steel and cast iron.	

**• Knot-Type  
Wire cup brush**



Part No.	For Model
743209-A	
743209-B	9527NB
743208-0A	9528NB

**• Knotted Twist  
Wire brush wheel**



Part No.	For Model
743212-A	9527NB
	9528NB

**• Stringer Bead Twist  
Wire brush wheel**



Part No.	For Model
743213-A	
743216-A	9527NB
743213-B	9528NB

**• Lock nut wrench**



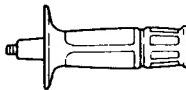
Part No.	For Model
782401-1	9526NB
782413-4	9527NB
	9528NB

**• Full Cable Twist  
Wire brush wheel**



Part No.	For Model
743211-A	
743217-A	9527NB
743214-A	9528NB

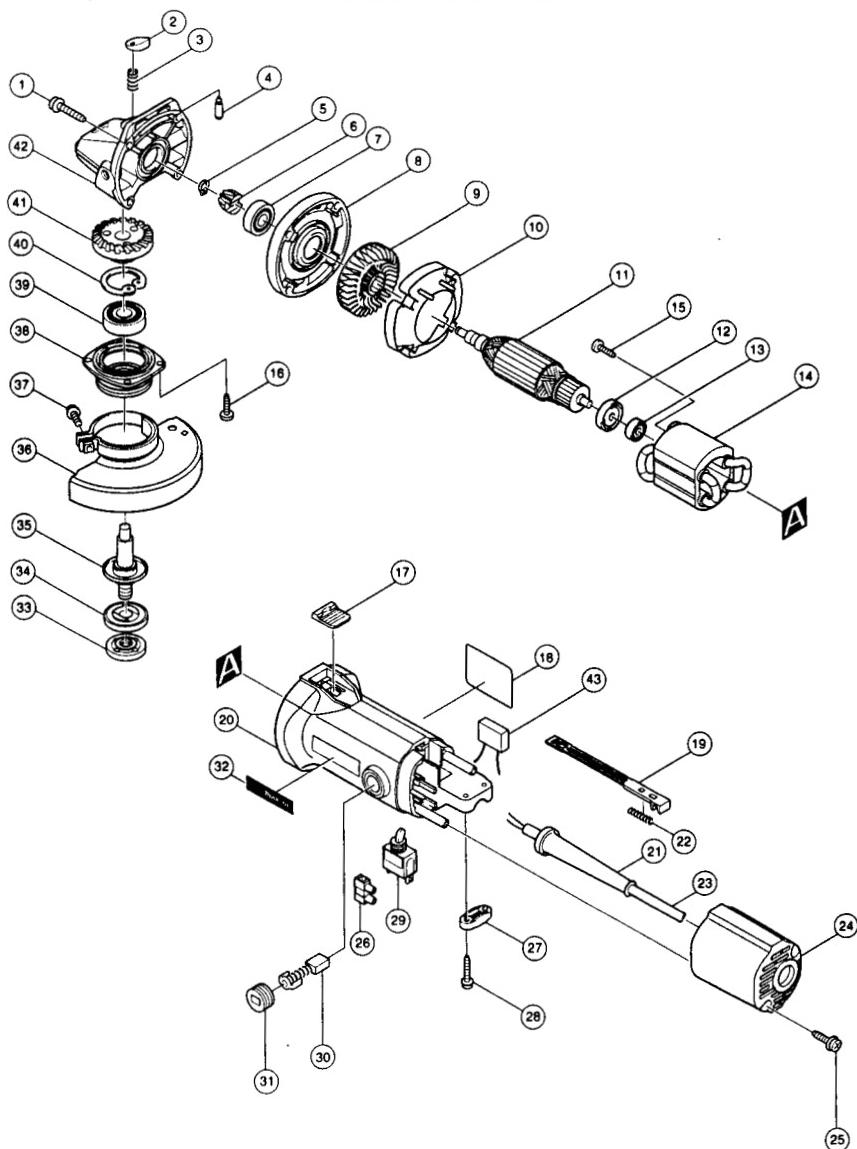
**• Grip**  
Part No. 152487-3



# 100 mm (4'')

## ANGLE GRINDER

### Model 9526NB

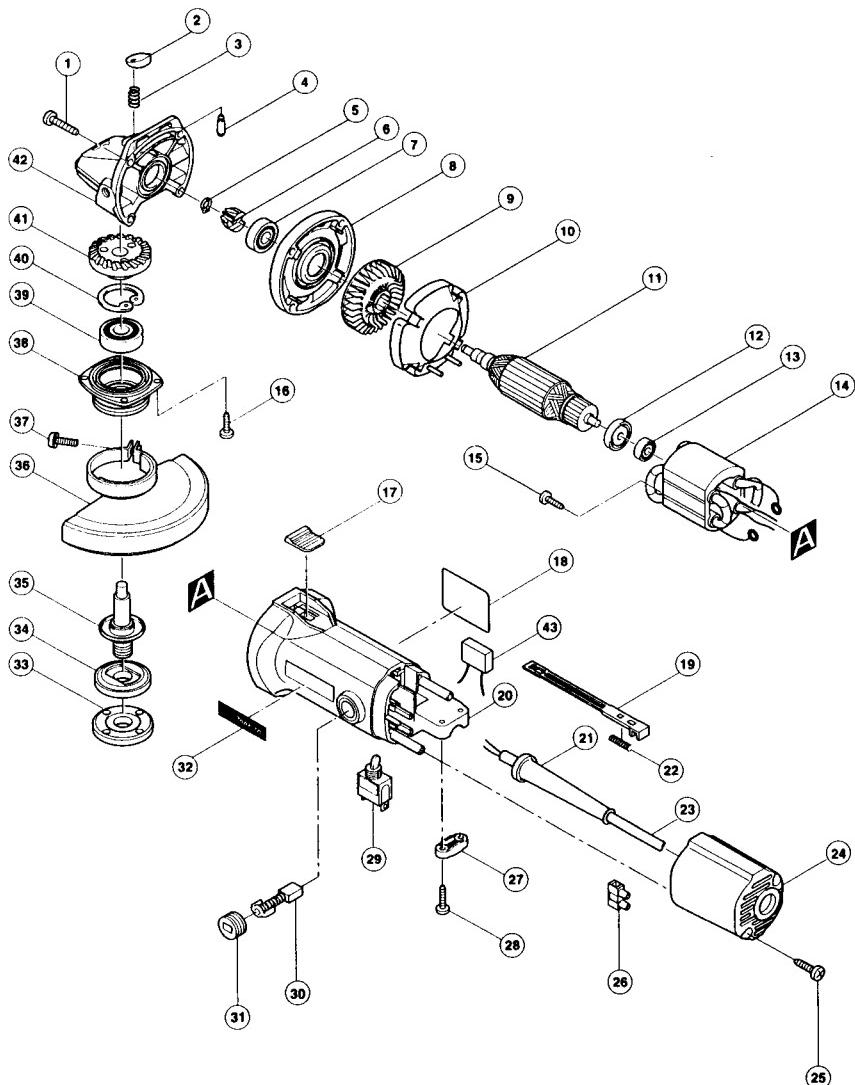


Note: The switch, noise suppressor and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
<b>MACHINE</b>					<b>MACHINE</b>
1	4	Tapping Screw Flange PF 5x30	22	1	Compression Spring 4
2	1	Pin Cap	23	1	Cord
3	1	Compression Spring 8	24	1	Rear Cover
4	1	Pin 4	25	2	Tapping Screw Flange PF 4x18
5	1	Retaining Ring S-6	26	1	Terminal Block 1P
6	1	Spiral Bevel Gear 10	27	1	Strain Relief
7	1	Bell Bearing 6000DDW	28	2	Tapping Screw Flange PF 4x18
8	1	Gear Housing Cover	29	1	Switch
9	1	Fan 57	30	2	Carbon Brush
10	1	Baffle Plate	31	2	Holder Cap
11	1	ARMATURE ARMATURE (With Item 9, 12 & 13)	32	1	Makita Label
12	1	Insulation Washer	33	1	Lock Nut 10-30
13	1	Ball Bearing 606ZZ	34	1	Inner Flange 30
14	1	FIELD ASSEMBLY	35	1	Spindle Complete
15	2	Tapping Screw Bind PT 3x10	36	1	Wheel Cover
16	4	Tapping Screw CT 4x16	37	1	Pan Head Screw M5x16
17	1	Switch Knob	38	1	Bearing Box
18	1	Name Plate	39	1	Ball Bearing 6201DDW
19	1	Switch Lever	40	1	Retaining Ring R-32
20	1	Motor Housing Complete	41	1	Spiral Bevel Gear 36
21	1	Cord Guard	42	1	Gear Housing Complete

Note: The switch and other part specifications may differ from country to country.

**ANGLE GRINDER**  
**115 mm (4-1/2") Model 9527NB**  
**125 mm (5") Model 9528NB**



Note: The switch, noise suppressor and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
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12	1	Insulation Washer	33	1	Lock Nut 14-45
13	1	Ball Bearing 606ZZ	34	1	Inner Flange 42
14	1	FIELD ASSEMBLY	35	1	Spindle Complete
15	2	Tapping Screw Bind PT 3x10	36	1	Wheel Cover
16	4	Tapping Screw CT 4x16	37	1	Pan Head Screw M6x16
17	1	Switch Knob	38	1	Bearing Box
18	1	Name Plate	39	1	Ball Bearing 6201DDW
19	1	Switch Lever	40	1	Retaining Ring R-32
20	1	Motor Housing Complete	41	1	Spiral Bevel Gear 36
21	1	Cord Guard	42	1	Gear Housing Complete

Note: The switch and other part specifications may differ from country to country.

## **MAKITA LIMITED ONE YEAR WARRANTY**

### **Warranty Policy**

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

**IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.**

**MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.**

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

**Makita Corporation of America  
2650 Buford Hwy., Buford, GA 30518**